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**COMPOSITIONS AND METHODS FOR DETECTING PRE-CANCEROUS
CONDITIONS IN CELL AND TISSUE SAMPLES USING 5, 10, 15, 20-
TETRAKIS (CARBOXYPHENYL) PORPHINE**

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ABSTRACT

Presented is a method to detect precancerous states in mammalian cell and
10 tissue samples comprising incubating a sample with solubilized 5, 10, 15, 20-tetrakis
(carboxyphenyl) porphine (TCPP), measuring TCPP fluorescence in the sample, and
categorizing the sample as non-cancerous, precancerous or cancerous based on
TCPP fluorescence, as correlated with the respective states of the cells. In
conjunction with the method a detection, a novel and more efficient method of
15 solubilizing TCPP is presented, as well as a composition comprising TCPP
solubilized by this method.